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TITLE : REMOVAL OF PYROGEN

**ABSTRACT** : PURPOSE: To remove pyrogen simply, at low cost and more surely by adsorbing a physiologically active substance mixed with pyrogen by the use of a carrier coordinated with a metallic ion not to adsorb pyrogen and washing the substance with a specific buffer solution.

CONSTITUTION: A physiologically active substance such as lymphotoxin, interferon, lactoferrin, collagenase, fibrinogen or tissue plasminogen activator is adsorbed on a metallic chelate Sepharose carrier (column) shown by the formula M-S-L (M is substrate to hold ligand; L is functional group to coordinate metallic ion; S is spacer to bond functional group L to substrate M) coordinated with a metallic ion such as  $Z^{2+}$ ,  $Cu^{2+}$  or  $Ni^{2+}$ , washed with a buffer solution not containing pyrogen and admixed pyrogen is washed away to give a physiologically active substance not containing eluting pyrogen.

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